

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference BCS03-2002	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2004/003995	International filing date (day/month/year) 09/04/2004	(Earliest) Priority Date (day/month/year) 09/04/2003
Applicant BAYER BIOSCIENCE N.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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International Application No.

PCT/EP2004/003995

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - ☒ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☐ in written format
 - ☒ in computer readable form
 - c. time of filing/furnishing
 - ☒ contained in the international application as filed
 - ☐ filed together with the international application in computer readable form
 - ☐ furnished subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N15/82 C12N15/11 A01H5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C12N A01H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBL, MEDLINE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PANDA SATCHIDANANDA ET AL: "tej defines a role for poly(ADP-ribosyl)ation in establishing period length of the Arabidopsis circadian oscillator" DEVELOPMENTAL CELL, vol. 3, no. 1, July 2002 (2002-07), pages 51-61, XP009035930 ISSN: 1534-5807	1-19
Y	page 52, left-hand column, paragraphs 2,3 page 58, left-hand column, paragraph 3	1-16
X	US 2002/040490 A1 (ALLEN KEITH ET AL) 4 April 2002 (2002-04-04) SEQ ID No.: 424 page 1, right-hand column, paragraph 10 ----- -/-	1-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

10 September 2004

Date of mailing of the international search report

28/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Zellner, E

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/000898 A (SYNGENTA PARTICIPATIONS AG ; GOFF STEPHEN ARTHUR (US); CHEN WENQIONG () 3 January 2003 (2003-01-03) SEQ ID No.: 550 page 34, lines 23-29 -----	1-16
Y	WO 03/008540 A (SYNGENTA PARTICIPATIONS AG ; KATAGIRI FUMIYAKI (US); COOPER BRET (US);) 30 January 2003 (2003-01-30) page 95, lines 13-32 -----	1-16
A	WO 99/53050 A (WANG MING BO ; COMMW SCIENT IND RES ORG (AU); GRAHAM MICHAEL WAYNE (AU) 21 October 1999 (1999-10-21) abstract -----	1-16

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Information on patent family members

PCT/EP2004/003995

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002040490	A1	04-04-2002	NONE	
WO 03000898	A	03-01-2003	WO 03000898 A1 EP 1402037 A1	03-01-2003 31-03-2004
WO 03008540	A	30-01-2003	WO 03000897 A2 WO 03000904 A2 EP 1402038 A2 EP 1399561 A2 EP 1409696 A2 EP 1402042 A2 WO 03000905 A2 WO 03000906 A2 WO 03008540 A2 WO 03007699 A2 WO 03027249 A2 US 2003135888 A1 US 2004010815 A1 US 2004016025 A1	03-01-2003 03-01-2003 31-03-2004 24-03-2004 21-04-2004 31-03-2004 03-01-2003 03-01-2003 30-01-2003 30-01-2003 03-04-2003 17-07-2003 15-01-2004 22-01-2004
WO 9953050	A	21-10-1999	AU 760041 B2 AU 2951499 A CA 2325344 A1 CN 1306571 T EP 1068311 A1 WO 9953050 A1 JP 2002511258 T NZ 507093 A	08-05-2003 01-11-1999 21-10-1999 01-08-2001 17-01-2001 21-10-1999 16-04-2002 29-08-2003